

DEPARTMENT OF FOOD AND AGRICULTURE

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DMS Notice
QC – 05 – 1

May 19, 2005

Discard: Retain

TO WEIGHTS AND MEASURES OFFICIALS

SUBJECT: Statewide Beverage Survey

The statewide beverage survey was completed in December, 2004. Participating counties randomly selected and tested 861 items from throughout the State.

The surveyed items had an average overfill of 1.92 %. Of the 861 items tested, 142 were found to be underfilled. All of the 20 subcategories surveyed had an average overfill. Underfilled products found during the survey were followed up with official lot inspections and underfilled lots were removed from sale.

The following attachments outline the survey procedures and results for individual subcategories as well as the category as a whole.

If you have any questions regarding this or other surveys, please contact Ken Lake, Program Supervisor, at (916) 229-3047.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mike Cleary'.

Mike Cleary
Director

Attachments

cc: Ed Williams, Director, County Liaison Office

Statewide Beverage Survey

County Weights and Measures Officials collected information for this survey during November and December 2004.

SAMPLE

Approximately thirty retail items were assigned in each of the following subcategories:

- 9.01 - Beers, Malt Liquors, & Brewing By-Products
- 9.02 - Wine, Brandy & Cordials
- 9.03 - Other Liquors, Distilled
- 9.04 - Ready-to-Serve Mixed Drinks
- 9.05 - Soft Drinks
- 9.06 - Flavoring Syrups
- 9.07 - Beverage Bases & Concentrated Juices
- 9.08 - Fruit Juices, Ades; Frozen
- 9.09 - Fruit Juices, Ades; Canned or Bottled
- 9.10 - Coffee, Whole Bean & Ground
- 9.11 - Coffee, Concentrated & Instant
- 9.12 - Coffee Substitutes
- 9.13 - Tea, Loose Leaf & Bag
- 9.14 - Tea, Instant or Concentrated
- 9.15 - Vegetable Juices
- 9.16 - Water & Flavored Waters
- 9.17 - Chocolate or Cocoa, Nondairy
- 9.18 - Ice
- 9.40 - Beverages, N.E.C. (Not Elsewhere Classified)

Approximately 150 retail items were assigned for the following category:

- 9.50 – Beverages; (Point of Pack) - Packages from any of the above subcategories that are inspected at the location where they are filled and labeled.

The samples from individual packers consisted of five randomly selected items of any type or types in the 9.00 (beverage) category.

To insure all regions of the State were evaluated, counties were divided into four regional groups of approximately equivalent populations. Each group of counties selected and tested one quarter of the total sample.

SELECTION

Establishments visited for purchases were selected randomly by participating counties. No more than three items from a single subcategory and not more than 15 items overall were selected from a single retail establishment. All retail stores selling prepackaged beverages were considered for selection.

Packagers (sub-category 9.50) were defined as any establishment packaging and labeling products for retail sale. Packager locations were also chosen using random numbers.

INSPECTION PROCEDURE

After purchase, packages were either checked on-site or taken to the local county quantity control laboratory for testing. Each package was opened to determine actual net content. Errors were recorded by comparing actual contents to the labeled net content.

Subcatagory	Number Tested	Number Overfilled	Number Underfilled	Number No Error	Per Cent Compliance	Ave. Per Cent Error	Standard Deviation
Beers, Malt Liquors, & Brewing By Products	36	22	5	9	86.11	0.77	1.08
Wine, Brandy & Cordials	36	20	9	7	75.00	0.19	0.59
Other Liquors, Distilled	38	15	9	14	76.32	0.11	0.73
Ready to Serve Mixed Drinks	36	25	5	5	83.33	1.13	1.91
Soft Drinks	37	24	7	6	81.08	1.91	3.64
Flavoring Syrups	35	25	2	8	94.29	2.11	4.96
Beverage Bases & Concentrated Juices	38	27	5	6	86.84	2.61	4.98
Fruit Juices, Ades; Frozen	36	29	4	3	88.89	2.77	3.44
Fruit Juices, Ades; Canned or Bottled	35	25	2	8	94.29	1.35	2.21
Coffee, Whole Bean & Ground	36	25	6	5	83.33	1.19	5.04
Coffee, Concentrated & Instant	36	22	8	6	77.78	2.01	3.96
Coffee Substitutes	36	33	3	0	91.67	6.53	6.42
Tea, Loose Leaf & Bag	41	18	10	13	75.61	4.00	9.75
Tea, Instant or Concentrated	36	26	5	5	86.11	2.67	4.20
Vegetable Juices	36	19	9	8	75.00	0.33	2.30
Water & Flavored Waters	36	26	4	5	86.11	1.44	2.17
Chocolate or Cocoa Based, Nondairy	36	26	8	2	77.78	1.89	2.86
Ice	35	31	4	0	88.57	4.47	5.44
Beverages, N.E.C.	28	16	5	7	82.14	0.80	5.05
 Beverages, Audits (Where Packaged)	 178	 124	 32	 21	 81.46	 1.77	 3.37
Totals	861	578	142	138	83.97	1.92	4.36